Title: Portable Doppler	Date 10-16-2010
By Summit Doppler, Golden, CO File = summit.doc	**DISCLAIMER: THIS PROCEDURE PROVIDED "AS IS" AND WITH POSSIBLE FAULTS. USER MUST VERIFY BEFORE USE. NEITHER PROVIDER NOR WEBSITE ASSUMES ANY RESPONSIBILITY FOR ITS USE.**

1. General
   Applies to the Summit Model L250 (but essentially identical for other hand held Doppler devices).

2. Reference Documents -- none

3. Tools / Fixtures / Labels
   Ultrasound Gel

4. Basic PM Procedure
   - 4.1. Physical – Check for case cracks and cord integrity.
   - 4.2. On/Off – toggle action
   - 4.3. Volume Adjust --
   - 4.4. Battery Check --
   - 4.5. Sensitivity Check --
     - 4.5.1. If this unit includes a fetal (3 Mhz) probe, see illustration for conducting a simple "palm test."
     - 4.5.2. If this unit includes a vascular probe (5 – 8 Mhz), see illustration for conducting an arm arterial reading.

OBSTRETICAL PROBE CHECK	VASCULAR PROBE CHECK
After applying a small amount of coupling gel, move the probe along the palm near the thumb. Here the normally low blood flow approximates the hard-to-detect fetal heartbeat.	The picture above shows the location for a good arterial flow signal. Coupling gel is not visible.

Note: The above results by their nature are qualitative, and assume the user has some prior experience with Doppler results. Excessive noise with a weak pickup signal can indicate a cracked probe crystal.